



U.S. National Rule

National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings
40 CFR Parts 9 and 59

Published: 9/11/1998 | In Effect: 1/11/1999



| Coating Category | lbs/gal | Limit: VOC Regulatory (Less Water Less Exempts). |
|---|---------|--|
| Pretreatment Coating | 6.5 | |
| Primer Surfacer | 4.8 | |
| Primer Sealer | 4.6 | |
| Single Stage Coating | 5.0 | |
| Multi Stage Coating: 2 Stage (BC/CC) | 5.0 | |
| Multi Stage Coating: 3 or more Stages (BC/CC) | 5.2 | |
| Specialty Coatings | 7.0 | |

| Product Code & Name | Hardener/Activator | Reducer | Mix Ratio | VOC Content |
|----------------------------------|--------------------|---------|-----------|---------------------------------------|
| Solvent (Surface Cleaner) | | | | Not Regulated by National Rule |
| P830-2066 Cleaner | - | - | - | 6.36 |
| P850-2367 Heavy Duty Precleaner | - | - | - | 7.02 |
| P850-2378 Cleaner | - | - | - | 6.46 |

| Product Code & Name | Hardener/Activator | Reducer | Additives | Mix Ratio | Applied VOC Less Water Less Exempt |
|--|--------------------|-----------|-----------|-----------|---------------------------------------|
| Pretreatment Coating | | | | | Limit: 6.50 lbs/gal |
| P330-1100 Etch Primer | P330-1101 | - | - | 1:1 | 6.2 |
| SXA1031 Etch Primer (aerosol) | - | - | - | RTS | N/A |
| Primer / Primer Surfacer | | | | | Limit 4.80 lbs/gal |
| P330-1300 Acrylic Surfacer | - | P830-2100 | - | 1:1 | 4.8 |
| P330-1700 2K High Build Primer Surfacer | P315-3700 | P830-20XX | - | 4:1:1 | 4.66 |
| Primer Sealer (apply over previously coated surfaces) | | | | | Limit: 4.60 lbs/gal |
| P330-1200 Epoxy Primer | P330-1201 | - | - | 2:1 | 4.6 |
| P330-1400 Synthetic Sealer | - | P830-20XX | - | 4:1 | 4.6 |
| P330-1600 2 Pack Primer Sealer | P315-3500 | P830-20XX | - | 8:2-3:1 | 4.6 |
| Single Stage Topcoats | | | | | Limit: 5.00 lbs/gal |
| VA Acrylic Enamel | | P830-20XX | | 4:1 | 5.0 |
| VA Acrylic Enamel Activated | P315-3500 | P830-20XX | | 16:1:4 | 5.0 |
| VU 2-Pack Urethane | P315-3500 | P830-20XX | | 8:1:2 | 5.0 |



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| Product Code & Name | Hardener/Activator | Reducer | Additives | Mix Ratio | Applied VOC Less Water Less Exempt |
|--|--------------------|--------------------------------------|-----------|-----------|--|
| Multi Stage Topcoat | | | | | System VOC Limit¹ : 5.0lbs/gal |
| Color Coating | | | | | Limit²: 6.3 lbs/gal |
| VB Basecoat | - | P830-20XX | - | 1:1 | 6.3 |
| VBP Basecoat | - | P830-20XX | - | 1:1 | 6.3 |
| Product Code & Name | Hardener/Activator | Reducer | Additives | Mix Ratio | Applied VOC Less Water Less Exempt |
| Clear Coating | | | | | Limit²: 4.35 lbs/gal |
| P390-4000 HS Clearcoat | P315-3511 | P830-20XX | - | 4:1:1 | 4.3 |
| P390-4001 Rapid Clear | P315-3511 | P830-20XX | - | 4:1:1 | 4.3 |
| P390-4003 Multi-Purpose Clear | P315-353X | | | 4:1 | 4.18 |
| Coatings for Process Specific Purposes / Additives to Create Specialty Coatings³ | | | | | Limit: 7.0 lbs/gal |
| P330-1800 Plastics Primer | | SXA1050 Plastic Adhesion Promoter | | | |
| SX1056 Flexible Sealer | | SU4901 Clean & Scuff Sponge | | | |
| SX1057 Flexible Surfacer | | SU4902 Plastic Prep Wipe | | | |
| SXA1030 Black Guide Coat | | SU4903/SUA4903 Advanced Plastic Bond | | | |
| SXA1041 Bumper Black | | SXA840 Uniform Finish Blender | | | |
| SXA1044 High Build Flexible Surfacer | | | | | |

1. The VOC limit on Tri-Coat and Quad-Coat Multi-Stage Systems is 5.2 lbs/gal.
2. The VOC of the BC/CC (Multi-stage) system is found by BC/CC composite calculation, where the $VOC_{sys} = (VOC_{bc} + 2VOC_{cc}) / 3$, as specified by current air quality regulations.
3. Specialty coatings include, but are not limited to, the listed products.

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